

CLAIMS

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AU 2821

1. A display screen comprising:

- a printed circuit board (PCB) having a front face and a rear face;
- a plurality of light emitting elements mounted on said PCB to reside on the front face of the PCB and provide a display;
- control circuitry mounted directly or indirectly to said printed circuit board to drive said light emitting elements;
- a layer of material conductive to electromagnetic radiation provided on a front face of said PCB to cover a substantial portion of said front face and positioned between said PCB and the light emitting portions of said light emitting elements;
- a plurality of conductively isolated areas in said layer to allow isolated connections from said light emitting elements to said PCB; and
- a housing mounted around a perimeter of said PCB and extending around said driving circuitry containing material conductive to electromagnetic radiation to substantially enclose said driving circuitry within said housing and said layer.

2. A display screen as claimed in claim 1 wherein said layer of material conductive to electromagnetic radiation comprises a metallic layer deposited on said front face of said PCB.

3. A display screen as claimed in claim 1 wherein said housing mounted around a perimeter of said PCB is in substantially continuous conductive contact with said layer above said perimeter of said PCB.

5 4. A display screen as claimed in claim 3 wherein said housing includes an inner conductive housing engageable against an end or rear face of said PCB which is an electrical contact with said conductive layer on said front face of said PCB.

10 5. A display screen as claimed in claim 4 wherein a rear housing is connected to said inner housing to enclose said driving circuitry and said rear housing is made from a conductive material.

15 6. A method of reducing electromagnetic radiation from a display screen comprising:

- providing a layer of electromagnetic conductive material on a front face of a printed circuit board used for mounting light emitting elements;
- providing a plurality of electrically isolated points in or through said layer for the connection of said light emitting elements to said printed circuit board; and
- surrounding a rear face of said printed circuit board with an electromagnetic conductive housing so as to substantially enclose driving circuitry behind the printed circuit board and the circuit board itself within a shield formed by said housing and said layer.

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